

CONTENTS

Larry R. Anderson: Estimates of planar regions of asymptotic stability.....	434
S. S. Antman and T. P. Liu: Travelling waves in hyperelastic rods.....	377
H. T. Banks and J. M. Mahaffy: Global asymptotic stability of certain models for protein synthesis and repression	209
R. M. Barron (<i>see O. P. Chandna</i>)	
D. L. Barrow and P. W. Smith: Asymptotic properties of best L_2 $[0,1]$ approximation by splines with variable knots	293
M. A. Biot: Variational irreversible thermodynamics of heat and mass transfer in porous solids: new concepts and methods	19
L. M. Brock: The non-uniform motion of a thin smooth rigid inclusion through an elastic solid.....	269
R. S. Chadwick: Vibrations of long narrow plates - I	141
R. S. Chadwick: Vibrations of long narrow plates - II	155
O. P. Chandna, R. M. Barron and M. R. Garg: Plane compressible MHD flows.....	411
D. L. Clements (<i>see C. Rogers</i>)	
R. Datko: A procedure for determination of the exponential stability of certain differential-difference equations.....	279
R. S. Dhaliwal and B. M. Singh: Plane-strain problems of two coplanar cracks in an initially stressed neo-Hookean elastic layer	361
L. Dragoş: Fundamental solutions for ideal fluids in uniform motion.....	401
M. R. Garg (<i>see O. P. Chandna</i>)	
F. C. Hoppensteadt (<i>see M. Levi</i>)	
C. O. Horgan and W. E. Olmstead: Stability and uniqueness for a turbulence model of Burgers	121
R. R. Huilgol: Hopf-Friedrichs bifurcation and the hunting of a railway axle	85
Robert J. Krueger: An inverse problem for an absorbing medium with multiple discontinuities.....	235
Rudolf Kurth: A global particular solution to the initial-value problem of stellar dynamics.....	325
M. Levi, F. C. Hoppensteadt and W. L. Miranker: Dynamics of the Josephson junction.....	167
S. S. Liang and B. S. Seidel: The instability of superposed flow.....	57
T. P. Liu (<i>see S. S. Antman</i>)	
Deborah H. Lockhart: Dynamic buckling of a damped imperfect column on a nonlinear foundation.....	49
J. M. Mahaffy (<i>see H. T. Banks</i>)	
Stephen B. Margolis: Anharmonic analysis of a time-dependent packed bed thermocline	97
W. L. Miranker (<i>see M. Levi</i>)	
J. W. Mooney: Monotone methods for the Thomas-Fermi equation	305
A. J. Morris: Generalization of dual structural optimization problems in terms of fractional programming	115
A. V. Namboodiri (<i>see P. C. Rath</i>)	
R. W. Ogden: Nearly isochoric elastic deformations: volume changes in plane strain	337
W. E. Olmstead (<i>see C. O. Horgan</i>)	
G. Pecelli and E. S. Thomas: An example of elliptic stability with large parameters: Lamé's equation and the Arnold-Moser-Rüssman criterion.....	129
R. Purushothaman: Fluctuating boundary layers in a rotating fluid with variable suction	428